

## ABSTRACT

An information recording apparatus (1) is provided with: a recording device (310) for recording record information onto an information recording medium 5 by irradiating the information recording medium (100) with laser light with a recording power according to a set value; a calculating device (340) for preparing correlation information which represents a correlation between the set value and reproduction quality, and for obtaining a reference set value which gives target reproduction quality as being desired reproduction quality, 10 by reproducing test-record information recorded with changing the set value on the recording device; a measuring device (330) for measuring the reproduction quality, by reproducing the record information recorded by using the reference set value on the recording device; and an adjusting device (400) for obtaining adjustment amount of the reference set value on the basis of the 15 correlation information if the reproduction quality measured by the measuring device is different from the target reproduction quality, and for adjusting the reference set value such that a set value which is adjusted based on the adjustment amount is to be a new reference set value.